MICHAEL P. VICTORINO Mayor

JEFFREY T. PEARSON, P.E. Director

HELENE KAU Deputy Director





DEPARTMENT OF WATER SUPPLY

COUNTY OF MAUI 200 SOUTH HIGH-STREET WAILUKU, MAUI, HAWAI'I 96793 www.mauiwater.org

August 5, 2020

TO:

TO WHOM IT MAY CONCERN

FROM:

JEFFREY T. PEARSON, P.E., Director

Department of Water Supply, County of Maui

SUBJECT:

2002 WATER SYSTEM STANDARDS AMENDMENT

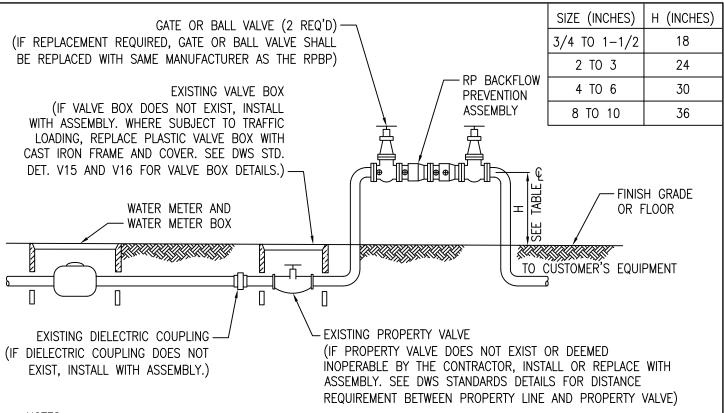
STANDARD DETAIL V9 - BACKFLOW PREVENTER (TYPICAL INSTALLATION)

The following Standard Details have been modified to Section 403 of the Department's 2002 Water System Standards:

• No. V9 – Backflow Preventer (Typical Installation)

A copy is attached for your use.

New Modified Standard Details No. V9 shall be effective immediately.



NOTES:

- ANY CONNECTIONS OR TEES BETWEEN METER AND BACKFLOW PREVENTION ASSEMBLY MUST HAVE WRITTEN APPROVAL BY THE MANAGER.
- 2. RP BACKFLOW PREVENTION ASSEMBLY SHALL BE INSTALLED WHENEVER THE MANAGER DEEMS NECESSARY TO PREVENT POTENTIAL CONTAMINATION TO THE PUBLIC WATER SYSTEM. BACKFLOW PREVENTION ASSEMBLY SHALL BE ON THE USC (UNIVERSITY OF SOUTHERN CALIFORNIA) APPROVED LIST OF ASSEMBLIES.
- 3. AT NO TIME SHALL THE BOTTOM OF THE BACKFLOW PREVENTION ASSEMBLY BE LESS THAN 12" ABOVE GROUND, FLOOR, OR FLOOD LEVEL NOR MORE THAN 48" ABOVE AFOREMENTIONED GRADES.
- 4. THE BACKFLOW PREVENTION ASSEMBLY SHALL BE INSTALLED AFTER THE WATER METER PRIOR TO ANY TEES AND BRANCHES.
- 5. WHENEVER BACKFLOW PREVENTION ASSEMBLY IS LOCATED 5' OR MORE FROM THE WATER METER, INSTALL CONCRETE JACKET BETWEEN PROPERTY VALVE AND BASE OF BACKFLOW PREVENTION ASSEMBLY TO AVOID POTENTIAL CROSS CONNECTION. CONCRETE JACKET SHALL BE 6"X6" SQUARE PLAIN (UNREINFORCED) CONCRETE CAST AROUND SERVICE LATERAL USING DWS 2500 (2500 PSI) OR BETTER. PLEASE BE ADVISED THAT PROPERTY VALVE MAY NEED TO BE RELOCATED PER DWS STANDARDS.
- 6. THE BACKFLOW PREVENTION ASSEMBLY SHALL BE INSTALLED PRIOR TO ISSUANCE OF WATER METER OR ACTIVATION OF WATER SERVICE.
- REFER TO DIVISION 100, SECTION 107 FOR ADDITIONAL REQUIREMENTS.
- 8. NEW 1" OR SMALLER RP BACKFLOW PREVENTION ASSEMBLIES MAY BE INSTALLED BY A LICENSED CONTRACTOR USING THIS DETAIL WITHOUT CONSTRUCTION PLANS. PRIOR TO INSTALLATION, CONTRACTOR SHALL CONTACT DWS PERSONNEL AT (808) 270–6132 TO COORDINATE WORK. RP BACKFLOW PREVENTION ASSEMBLIES INSTALLED THAT DO NOT MEET DWS REQUIREMENTS WILL NOT BE APPROVED. OWNER SHALL MAKE CORRECTIONS TO THE SATISFACTION OF DWS. COMPLETED WORK (ASSEMBLY, AND/OR PROPERTY BALL VALVE, VALVE BOX, DIELECTRIC COUPLING) SHALL BE APPROVED BY DWS PERSONNEL. REFER TO DWS STANDARDS, SERVICE LATERALS SECTION FOR ADDITIONAL DETAILS. FOR LARGER RP BACKFLOW PREVENTION ASSEMBLIES, WORK SHALL BE SHOWN ON CONSTRUCTION PLANS APPROVED BY DWS PRIOR TO INSTALLATION.
- 9. PLEASE CONTACT DWS ENGINEERING AT (808) 270-7835 FOR ADDITIONAL INFO IF WATER SERVICE NEEDS TO BE SHUT OFF AT THE METER OR AT THE MAIN WATER LINE.

BACKFLOW PREVENTER
TYPICAL INSTALLATION
SCALE; N.T.S.

REVISION

STANDARD
DETAILS

V9

MAU